

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 04364186
PUBLICATION DATE : 16-12-92

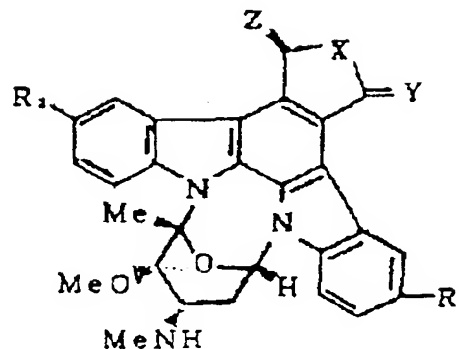
APPLICATION DATE : 10-06-91
APPLICATION NUMBER : 03163325

APPLICANT : KITASATO INST:THE;

INVENTOR : HARIGAI YOSHIHIRO;

INT.CL. : C07D498/18 A61K 31/395

TITLE : STAUROSPORINE DERIVATIVE AND
INHIBITOR OF BLOOD PLATELET
AGGREGATION COMPRISING THE
SAME COMPOUND AS ACTIVE
INGREDIENT



ABSTRACT : PURPOSE: To obtain a new compound useful as an inhibitor of blood platelet aggregation, effective for preventing thrombosis and arteriosclerosis and preventing cerebrovascular contracture.

CONSTITUTION: A compound shown by the formula (R_1 and R_2 are H, amino, hydroxyl or hydroxymethyl; R_1 and R_2 are not H at the same time; X is NH or O; Y and Z are not H at the same time and when X is NH, only one of Y and Z is not O), such as 3-amino-7-oxostaurosporine. The compound shown by the formula is obtained by protecting highly reactive nitrogen atom (e.g. 4'-N-position) of staurosporine, introducing a substituent group to an aromatic ring, then chemically converting the γ -lactam ring part followed by deprotecting.

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